# NAV*AIR*

# *Joint Engineering Data Management Information & Control System (JEDMICS)*
# Air Force
# Site Managers' Meeting

**NAVAIR 3.6.1**
**JEDMICS Team**

**14 May 2003**

# Topics

- **Operational View of JEDMICS**

- **Firewalls and Ports**

- **Baseline Release 3.3 Status**

- **Baseline Release 3.4 Status**

- **JEDMICS Web Tool Kit**

- **JEDMICS Format Comparison Snowbound vs. Cimmetry Systems**

- **Owners Meeting 2003**

- **Site Metrics**

# Operational View

## Drawing Acquisition

Images Acquired:
2.4M/Year

- 👉 **Many Sources**
- 👉 **Many Products**
- 👉 **Multi-Media**

# JEDMICS

*JOINT ENGINEERING DATA MANAGEMENT INFORMATION AND CONTROL SYSTEM*

Images Retrieved:
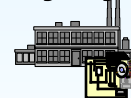30M/Year

## World-Wide Desktop Access

**MAINTENANCE & REPAIR**
(Maintenance)

**REPROCUREMENT**
(Material Management)
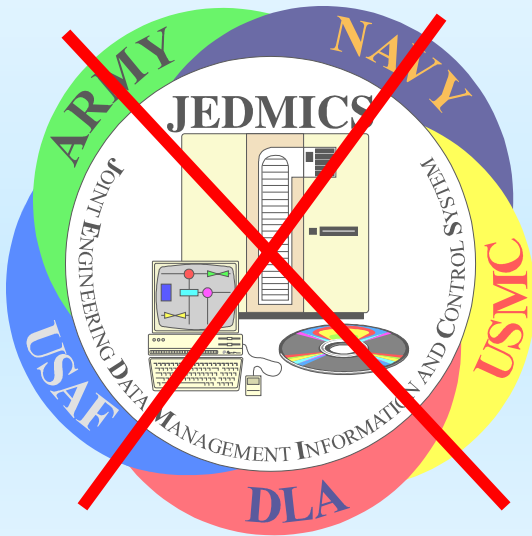
**INDUSTRY**
(Design/Engineering)

**PMs, SPOs, CDAs, TCAs, ACQUISITION/ENGINEERING**

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# JEDMICS Logo



# JEDMICS

*JOINT ENGINEERING DATA MANAGEMENT INFORMATION AND CONTROL SYSTEM*

**JEDMICS:  DoDs ENGINEERING DRAWING REPOSITORY**

**DoD's Data Warehouse**

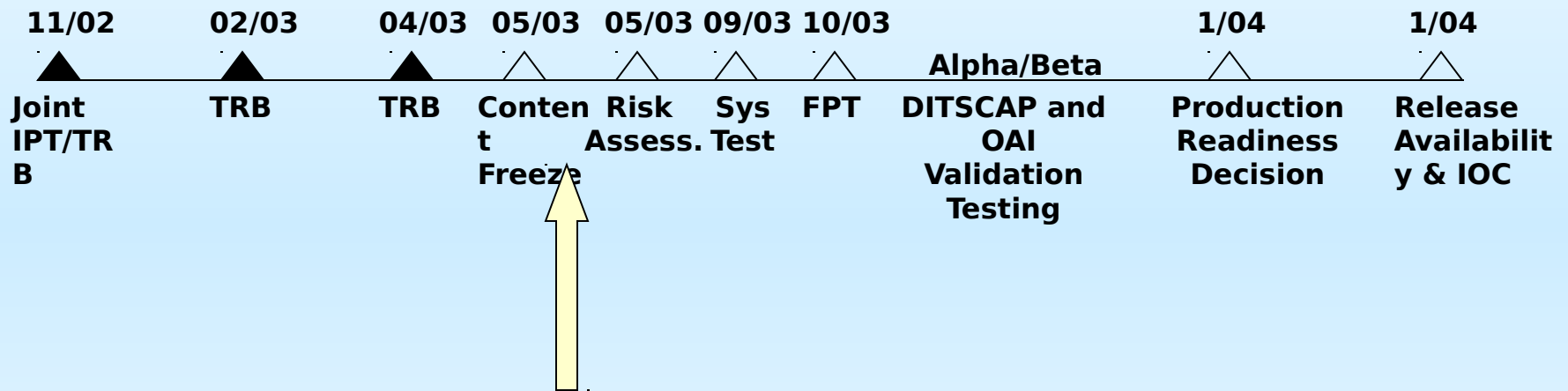*Drawings Digitally Available World-Wide*

# Firewalls & Ports - Update

- **Listing of Network Ports In Use by JEDMICS Recently Forwarded by Program Office Email to Site Managers**

- **Topic of Ports, Specifically Port Closures, is Increasingly Visible From the Various Network Management Organizations**
  - The Navy's NMCI is Managing Certain Aspects of Port Enclave Access
  - DISA has Coordinated Input Regarding Closure of Ports 0-1024 at the NIPRNET Gateway
  - DISA Now Looking at Port 1025-65,565

# JBR 3.3 Installs

- **Robins AFB – Complete/With Web**

- **Tinker AFB – 27 May**
  - With Web

- **Hill AFB – 09 June**
  - With Web

# JBR 3.4 Schedule

| 11/02 | 02/03 | 04/03 | 05/03 | 05/03 | 09/03 | 10/03 | | 1/04 | 1/04 |
|---|---|---|---|---|---|---|---|---|---|

Joint IPT/TRB | TRB | TRB | Content Freeze | Risk Assess. | Sys Test | FPT | Alpha/Beta DITSCAP and OAI Validation Testing | Production Readiness Decision | Release Availability & IOC

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# JBR 3.4 Content Approved

| ECP # | Title | Description |
|---|---|---|
| 90R8 | Upgrade PC JEDMICS Application | Integrates the latest versions of the GOTS product PC JEDMICS |
| 93R6 | Upgrade ImageR Image Viewing Software | Integrates the latest versions of the GOTS product ImageR |
| 94R5 | Upgrade IndexR Local Data Management SW | Integrates the latest version of the GOTS product IndexR |
| 103R11 | IRIX, Solaris, & Oracle COTS Software Updates | Upgrades Oracle to latest version of 8.1.7.x available for IRIX<br>Upgrades IRIX to latest maintenance release of 6.5<br>Upgrades Oracle to latest version of 9.x available for Solaris<br>Upgrades all Solaris core servers to latest version of Solaris 9<br>COTS Security Alert evaluation / implementations |
| 128R7 | JEDMICS Security Hardening Solution Tech Ref | Integrates latest version of COTS products into the baseline |
| 133R3 | Web JEDMICS V 3 | Adds functionality in WebJEDMICS Version 3 client model related to improving screen navigation, bulk upload/download, access to output queue, and incorporation of SPRs relative to image viewing and general usability. |
| 140R1 | OAI v2.3 | API replacement functionality, FIPS140 capability, Web Portal support, PKI I&A support |
| 142 | JEDMICS 3.4 Baseline Release | Defines baseline content, includes baseline application code, adds optional Solaris Index Server to baseline with support for all core servers on single platform, freezes GDW / DICW changes, and reduces number of firewall penetrations needed. |
| 142R1 | | Adds SPRs affecting baseline applications |
| 143 | Sun Servers | Add Sun Fire 280R, Sun Fire V880 |
| 144 | JEDMICS PC Application | Adds SPRs affecting JEDMICS PC Application |

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# JBR 3.4 Content Pending Government CCB Review

| ECP # | Title | Description |
|-------|-------|-------------|
| 133R4 | WebJEDMICS upgrades | Adds functionality in WebJEDMICS client model related to incorporation of expanded doc set manipulation, updated password complexity rules, and expanded discretionary access |
| 142R2 | JEDMICS 3.4 Baseline Release | Adds updated password complexity rules, expanded discretionary access functionality, pending COOP capability, indexes to improve query responses, and disables capability to modify permanent drawing revision elements using GDW, DICW, EGDW |
| 144R1 | JEDMICS PC Application | Adds FIPS-140 compliant image transfer, revised password complexity rules, and expanded discretionary access functionality |
| 145R1 | JEDMICS Administration Tool | Adds revised password complexity rules and expanded discretionary access functionality |
| 103R12 | IRIX, Solaris, Oracle and Associated COTS Software Updates | Consolidate and manage all current JEDMICS COTS software in a single ECP |

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# JEDMICS Web Tool Kit

- **Dot Com Version of the Tool Kit Shown at Owners Meeting Last July**
  - **Dot Mil Version Was Suggested to Deal With Proprietary Data**

- **Action Taken**
  - **Dot Com Up and Running**
  - **Actions Initiated to Place Dot Mil Version at AMCOM**

- **Dot Com Version Looking at Alternate Rendering Tool to Address 3D Formats (AutoVue Solid Model Professional (Version 17))**

# JEDMICS Format Comparison Snowbound vs. Cimmetry Systems

| Snowbound RasterMaster V11<br>(26 of 449 – 6%) | Cimmetry Systems AutoVue V17<br>(172 of 449 – 38%) |
|---|---|
| ASCII/Text, BMP, C4 Tiled Raster, CALS Group 4, Postscript, EPS, JPEG, PCX, PDF, PCL, and TIFF | ASCII/Text, BMP, C4 Tiled Raster, CALS Group 4, Postscript, EPS, JPEG, PCX, PDF, PCL and TIFF<br>***Plus….(\*)***<br><br>**2D/3D/Vector-based Engineering Formats**<br>ANVIL, AutoCAD, CadKey, CALCOMP, CGM (1-4), HPGL, HPGL/2, IGES (2D/3D), Microstation, Pro/Engineer, SolidWorks, STEP AP203, Unigraphics<br><br>**Electronic Design Formats (EDF)**<br>Cadence Allegro, EDIF, Mentorgraphics, ODB++, Orcad, PCAD<br><br>**Vector Graphics Formats**<br>PCL, MS Visio<br><br>**Office Product Formats**<br>RTF, MS Word, WordPerfect, MS Access, MS Excel, Lotus 1-2-3, Zip Archive |

*(\*) Note:  not all releases of each format are supported.*

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# Owners Meeting 2003

- **Integrated Owners/Business Meeting Addressed Last July**
  - 11 June 2003 Owners/Business Meeting
    - 0800 – 1730 Northrop/Grumman Technology Group Facilities

- **Service Level Meetings**
  - Services Have Option of Holding Meetings Prior to and/or Following Owners/Business Meeting
    - Contractor Must be Advised and Will Provide Space Required

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# Site Metrics

- **Metrics Support Reporting and Visibility**
  - Provides Visibility of Interfacing Systems and Applications Across the Enterprise
  - Information Derived Aids in Supporting Joint Requirements

- **Recent Data Compiled From Site Input**
  - WR-ALC
  - Tinker
  - Hill

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# *BACKUP*

- **Engineering Data Management**
  - Images On-Line: 6.1M
  - Weapon System Data: Major Weapon Systems: F-15, C-130, C141, C-5, and J-STARS
  - Monthly Growth: 38,000 Images
    - Aperture Card Receipts: 40%
    - Digital Receipts: 98% in C4
    - Digital Formats: C4, PDF, DOC, CALS, 1840B, DXF, HPGL, TIF, AUTOCAD, PRO-E, CADRA, ACTEL Designer, PAF, VHDL, EDIF, NETLIST, EDIF Schematic, ZIP, and MICROCADAM
- **User Community and System Usage:**
  - Number of Users: 3,351 (1,416 On-Site; 2,115 Remote Users)
  - External Customer Profile:
    - ANG (230), AFET (196), OC (234), OO (294), DLA (133), Battlecreek (206), Navy (52), Wright Patterson (20), and Misc (750)
  - Users are Government and Contractor
  - Systems Interfacing to WR-ALC JEDMICS: MEDALS, PC JEDMICS, CENTRA, and MIDAS
  - Monthly Image Retrievals: 332,369
  - Additional Information Stored in JEDMICS: N/A
- **Business Communities Supported:**
  - Maintenance
  - TM Maintenance
  - Engineering
  - Engineering Investigations
- **Plans to Move Beyond JEDMICS for Engineering Data Support:**
  - CENTRA (Locally)
  - FMS
  - FOIA
  - CIT

# JEDMICS:
## Tinker AFB

- **Engineering Data Management**
  - Images On-Line:  4.4M
  - Weapon System Data:  82 Various weapons systems/platforms/systems components:
    - B-52, F-16, AGM-131 (SRAM II), A-10, C-17, F-107-WR100, E-3 (AWACS), F-15, C-130, C141, C-5, etc.
  - Monthly Growth:  14,000 Images
    - Aperture Card Receipts: 1%
    - Digital Formats: CCITT4, SGML, Text File, CALS Type 1, TIFF Group 6, PDF v2.1, ACAD R12 Native, ACAD R13 Native, ACAD R14 Native, EXCEL v5, STL, TSFFG4, Word v7, and Gerber
- **User Community and System Usage:**
  - Number of Users:  2,715 (676 On-Site; 1,336 Remote Users)
  - External Customer Profile:  ANG (84), AFET (42)
  - Users are Government and Contractor
  - Systems Interfacing to Tinker JEDMICS:  MEDALS, PC JEDMICS, and IDIM
  - Monthly Image Retrievals:  134,734
  - Additional Information Stored in JEDMICS:  N/A
- **Business Communities Supported:**
  - Maintenance
  - Spares Reprocurement
  - Engineering
  - Overhaul
- **Plans to Move Beyond JEDMICS for Engineering Data Support:**
  - IDIM was developed to provide full engineering data management capability with an interface to JEDMICS as the Raster drawing repository.
    - FMS
    - FOIA
    - Repair
    - Public Sales

# JEDMICS:

## Hill AFB

- **Engineering Data Management**
  - Images On-Line:  6.1M
  - Weapon System Data:
    - F-16, A-10, T-37, T-38, Missiles, Satellites, Landing Gear, Radar, Munitions, CHAFFS, etc.
  - Monthly Growth:  27,215 Images
    - Aperture Card Receipts: 25%
    - Digital Formats: AutoCAD, TIF, C4, PDF, and Word
- **User Community and System Usage:**
  - Number of Users:  3,299 (937 On-Site; 1,579 Remote Users)
  - External Customer Profile:  DoD-World Wide Users (Spain, Germany, Japan, United Kingdom, Deployed Forces
  - Users are Government and Contractor
  - Systems Interfacing to Hill AFB JEDMICS:  MEDALS, PC JEDMICS, ACATSS, CM-Net, PRIDE, and CDEX
  - Monthly Image Retrievals:  1,041,592
  - Additional Information Stored in JEDMICS:  N/A
- **Business Communities Supported:**
  - PRs
  - Spares Reprocurement
  - Engineering
  - Drafting
- **Plans to Move Beyond JEDMICS for Engineering Data Support:**
  - None at present
  - FMS
  - FOIA
  - Public Sales
  - etc.

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